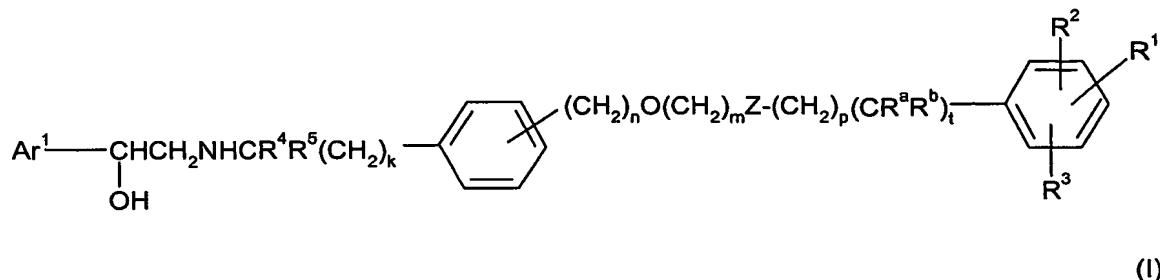


**Claims:**

5        1. A compound of formula (I):



or a salt, solvate, or physiologically functional derivative thereof, wherein:

10

$R^1$  is selected from hydrogen,  $C_{1-6}$ alkyl, hydroxy, cyano, nitro, halo,  $C_{1-6}$ haloalkyl,  $XCO_2R^8$ ,  $-XC(O)NR^7R^8$ ,  $-XNR^6C(O)R^7$ ,  $-XNR^6C(O)NR^7R^8$ ,  $-XNR^6C(O)NC(O)NR^7R^8$ ,  $-XNR^6SO_2R^7$ ,  $-XSO_2NR^9R^{10}$ ,  $XSR^6$ ,  $XSOR^6$ ,  $XSO_2R^8$ ,  $-XNR^7R^8$ ,  $-XNR^6C(O)OR^7$ ,

15        or  $R^1$  is selected from - $X$ -aryl, - $X$ -hetaryl, or - $X$ -(aryloxy), each optionally substituted by 1 or 2 groups independently selected from hydroxy,  $C_{1-6}$ alkoxy, halo,  $C_{1-6}$ alkyl,  $C_{1-6}$ haloalkyl,  $-NR^6C(O)R^7$ ,  $SR^6$ ,  $SOR^6$ ,  $-SO_2R^6$ ,  $-SO_2NR^9R^{10}$ ,  $-CO_2R^8$ ,  $-NR^7R^8$ , or hetaryl optionally substituted by 1 or 2 groups independently selected from hydroxy,  $C_{1-6}$ alkoxy, halo,  $C_{1-6}$ alkyl, or  $C_{1-6}$ haloalkyl;

20

$X$  is  $-(CH_2)_q-$  or  $C_{2-6}$  alkenylene;

$q$  is an integer from 0 to 6, preferably 0 to 4;

25         $R^6$  and  $R^7$  are independently selected from hydrogen,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl, aryl, hetaryl, hetaryl( $C_{1-6}$ alkyl)- and aryl( $C_{1-6}$ alkyl)- and  $R^6$  and  $R^7$  are each independently optionally substituted by 1 or 2 groups independently selected from halo,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl,  $C_{1-6}$ alkoxy,  $C_{1-6}$ haloalkyl,  $-NHC(O)(C_{1-6}$ alkyl),  $-SO_2(C_{1-6}$ alkyl),  $-SO_2$ (aryl),  $-CO_2H$ , and  $-CO_2(C_{1-4}$ alkyl),  $-NH_2$ ,  $-NH(C_{1-6}$ alkyl), aryl( $C_{1-6}$ alkyl)-, aryl( $C_{2-6}$ alkenyl)-,

aryl(C<sub>2-6</sub>alkynyl)-, hetaryl(C<sub>1-6</sub>alkyl)-, -NHSO<sub>2</sub>aryl, -NH(hetarylC<sub>1-6</sub>alkyl), -NHSO<sub>2</sub>hetaryl, -NHSO<sub>2</sub>(C<sub>1-6</sub>alkyl), -NHC(O)aryl, or -NHC(O)hetaryl:

R<sup>8</sup> is selected from hydrogen, C<sub>1-6</sub>alkyl and C<sub>3-7</sub> cycloalkyl;

5

or R<sup>7</sup> and R<sup>8</sup>, together with the nitrogen atom to which they are bonded, form a 5-, 6- or 7-membered nitrogen – containing ring;

10 R<sup>9</sup> and R<sup>10</sup> are independently selected from hydrogen, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, aryl, hetaryl, hetaryl(C<sub>1-6</sub>alkyl)- and aryl(C<sub>1-6</sub>alkyl)-, or R<sup>9</sup> and R<sup>10</sup>, together with the nitrogen to which they are bonded, form a 5-, 6-, or 7- membered nitrogen containing ring; and R<sup>9</sup> and R<sup>10</sup> are each optionally substituted by one or two groups independently selected from halo, C<sub>1-6</sub>alkyl, and C<sub>3-7</sub>cycloalkyl, C<sub>1-6</sub>haloalkyl;

15 R<sup>2</sup> is selected from hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, halo, aryl, aryl(C<sub>1-6</sub>alkyl)-, C<sub>1-6</sub>haloalkoxy, and C<sub>1-6</sub>haloalkyl;

R<sup>3</sup> is selected from hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, halo, aryl, aryl(C<sub>1-6</sub>alkyl)-, C<sub>1-6</sub>haloalkoxy, and C<sub>1-6</sub>haloalkyl; and

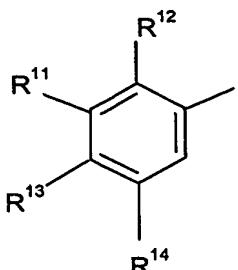
20

R<sup>4</sup> and R<sup>5</sup> are independently selected from hydrogen and C<sub>1-4</sub> alkyl with the proviso that the total number of carbon atoms in R<sup>4</sup> and R<sup>5</sup> is not more than 4;

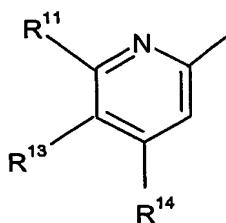
R<sup>a</sup> and R<sup>b</sup> each independently represent hydrogen or C<sub>1-4</sub>alkyl;

25

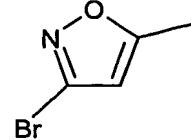
Ar<sup>1</sup> is a group selected from



(a)

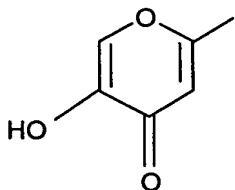


(b)



(c)

and



(d)

wherein R<sup>11</sup> represents hydrogen, halogen, -(CH<sub>2</sub>)<sub>n</sub>OR<sup>15</sup>, -NR<sup>15</sup>C(O)R<sup>16</sup>, -NR<sup>15</sup>SO<sub>2</sub>R<sup>16</sup>, -SO<sub>2</sub>NR<sup>15</sup>R<sup>16</sup>, -NR<sup>15</sup>R<sup>16</sup>, -OC(O)R<sup>17</sup> or OC(O)NR<sup>15</sup>R<sup>16</sup>, and R<sup>12</sup> represents hydrogen, halogen or C<sub>1-4</sub> alkyl;

5

or R<sup>11</sup> represents -NHR<sup>18</sup> and R<sup>12</sup> and -NHR<sup>18</sup> together form a 5- or 6- membered heterocyclic ring;

R<sup>13</sup> represents hydrogen, halogen, -OR<sup>15</sup> or -NR<sup>15</sup>R<sup>16</sup>;

10

R<sup>14</sup> represents hydrogen, halogen, haloC<sub>1-4</sub> alkyl, -OR<sup>15</sup>, -NR<sup>15</sup>R<sup>16</sup>, -OC(O)R<sup>17</sup> or OC(O)NR<sup>15</sup>R<sup>16</sup>;

15

R<sup>15</sup> and R<sup>16</sup> each independently represents hydrogen or C<sub>1-4</sub> alkyl, or in the groups -NR<sup>15</sup>R<sup>16</sup>, -SO<sub>2</sub>NR<sup>15</sup>R<sup>16</sup> and -OC(O)NR<sup>15</sup>R<sup>16</sup>, R<sup>15</sup> and R<sup>16</sup> independently represent hydrogen or C<sub>1-4</sub> alkyl or together with the nitrogen atom to which they are attached form a 5-, 6- or 7- membered nitrogen-containing ring,

$R^{17}$  represents an aryl group which may be unsubstituted or substituted by one or more substituents selected from halogen,  $C_{1-4}$  alkyl, hydroxy,  $C_{1-4}$  alkoxy or halo  $C_{1-4}$  alkyl; and

5      $r$  is zero or an integer from 1 to 4;

$Z$  is O,  $CH_2^-$  or a single bond;

$n$  is an integer of from 1 to 4;

10     $m$  is zero or an integer of from 1 to 4;

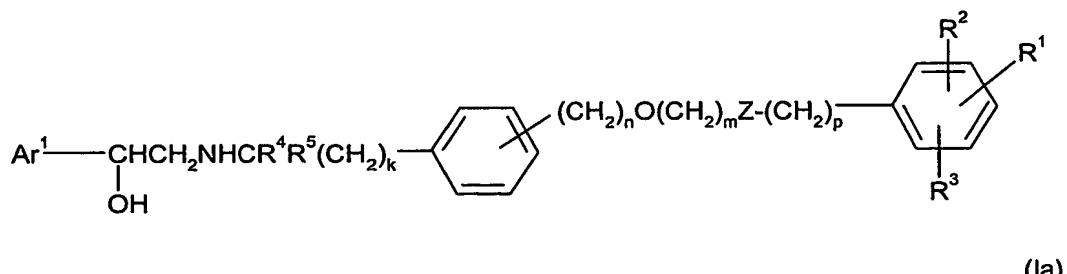
$p$  is zero or an integer of from 1 to 3;

$k$  is an integer from 1 to 3; and

$t$  is zero or 1.

15

2. A compound of formula (Ia):



or a salt, solvate, or physiologically functional derivative thereof, wherein:

20

$k$  is an integer from 1 to 3;

$n$  is an integer of from 1 to 4;

$m$  is an integer of from 2 to 4;

$p$  is an integer of from 1 to 4;

25     $Z$  is O or  $CH_2^-$ ;

$R^1$  is selected from hydrogen,  $C_{1-6}$  alkyl, hydroxy, cyano, nitro, halo,  $C_{1-6}$  haloalkyl,  $XCO_2R^8$ ,  $-XC(O)NR^7R^8$ ,  $-XNR^6C(O)R^7$ ,  $-XNR^6C(O)NR^7R^8$ ,  $-XNR^6C(O)NC(O)NR^7R^8$ ,  $-XNR^6SO_2R^7$ ,  $-XSO_2NR^9R^{10}$ ,  $XSR^6$ ,  $XSOR^6$ ,  $XSO_2R^6$ ,

30     $-XNR^7R^8$ ,  $-XNR^6C(O)OR^7$ ,

or R<sup>1</sup> is selected from -X-aryl, -X-hetaryl, or -X-(aryloxy), each optionally substituted by 1 or 2 groups independently selected from hydroxy, C<sub>1-6</sub>alkoxy, halo, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>haloalkyl, -NR<sup>6</sup>C(O)R<sup>7</sup>, SR<sup>6</sup>, SOR<sup>6</sup>, -SO<sub>2</sub>R<sup>6</sup>, -SO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, -CO<sub>2</sub>R<sup>8</sup>, -NR<sup>7</sup>R<sup>8</sup>, or hetaryl optionally substituted by 1 or 2 groups independently selected from hydroxy, C<sub>1-6</sub>alkoxy, 5 halo, C<sub>1-6</sub>alkyl, or C<sub>1-6</sub>haloalkyl;

X is -(CH<sub>2</sub>)<sub>q</sub>- or C<sub>2-6</sub> alkenylene;

q is an integer from 0 to 6;

10 R<sup>6</sup> and R<sup>7</sup> are independently selected from hydrogen, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, aryl, hetaryl, hetaryl(C<sub>1-6</sub>alkyl)- and aryl(C<sub>1-6</sub>alkyl)- and R<sup>6</sup> and R<sup>7</sup> are each independently optionally substituted by 1 or 2 groups independently selected from halo, C<sub>1-6</sub>alkyl, C<sub>3-7</sub> cycloalkyl, C<sub>1-6</sub> alkoxy, C<sub>1-6</sub>haloalkyl, -NHC(O)(C<sub>1-6</sub>alkyl), -SO<sub>2</sub>(C<sub>1-6</sub>alkyl), -SO<sub>2</sub>(aryl), 15 -CO<sub>2</sub>H, and -CO<sub>2</sub>(C<sub>1-4</sub>alkyl), -NH<sub>2</sub>, -NH(C<sub>1-6</sub>alkyl), aryl(C<sub>1-6</sub>alkyl)-, aryl(C<sub>2-6</sub>alkenyl)-, aryl(C<sub>2-6</sub>alkynyl)-, hetaryl(C<sub>1-6</sub>alkyl)-, -NSO<sub>2</sub>aryl, -NH(hetaryl(C<sub>1-6</sub>alkyl)), -NSO<sub>2</sub>hetaryl, -NSO<sub>2</sub>(C<sub>1-6</sub>alkyl), -NHC(O)aryl, or -NHC(O)hetaryl:

20 R<sup>8</sup> is selected from hydrogen, C<sub>1-6</sub>alkyl and C<sub>3-7</sub> cycloalkyl;

20 or R<sup>7</sup> and R<sup>8</sup>, together with the nitrogen atom to which they are bonded, form a 5-, 6- or 7-membered nitrogen – containing ring;

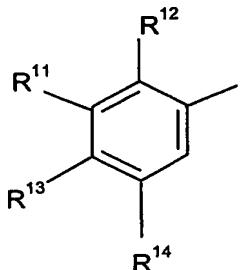
25 R<sup>9</sup> and R<sup>10</sup> are independently selected from hydrogen, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, aryl, hetaryl, hetaryl(C<sub>1-6</sub>alkyl)- and aryl(C<sub>1-6</sub>alkyl)-, or R<sup>9</sup> and R<sup>10</sup>, together with the nitrogen to which they are bonded, form a 5-, 6-, or 7- membered nitrogen containing ring; and R<sup>9</sup> and R<sup>10</sup> are each optionally substituted by one or two groups independently selected from halo, C<sub>1-6</sub>alkyl, and C<sub>3-7</sub>cycloalkyl, C<sub>1-6</sub>haloalkyl;

30 R<sup>2</sup> is selected from hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, halo, aryl, aryl(C<sub>1-6</sub>alkyl)-, C<sub>1-6</sub>haloalkoxy, and C<sub>1-6</sub>haloalkyl;

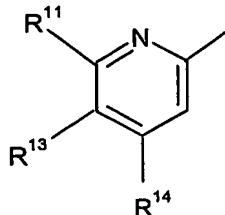
R<sup>3</sup> is selected from hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, halo, aryl, aryl(C<sub>1-6</sub>alkyl)-, C<sub>1-6</sub>haloalkoxy, and C<sub>1-6</sub>haloalkyl; and

$R^4$  and  $R^5$  are independently selected from hydrogen and  $C_{1-4}$  alkyl with the proviso that the total number of carbon atoms in  $R^4$  and  $R^5$  is not more than 4;

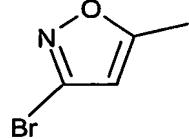
$Ar^1$  is a group selected from



(a)

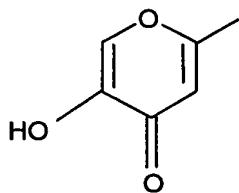


(b)



(c)

and



(d)

5

wherein  $R^{11}$  represents halogen,  $-(CH_2)_rOR^{15}$ ,  $-NR^{15}C(O)R^{16}$ ,  $-NR^{15}SO_2R^{18}$ ,  $-SO_2NR^{15}R^{16}$ ,  $-NR^{15}R^{16}$ ,  $-OC(O)R^{17}$  or  $OC(O)NR^{15}R^{16}$ , and  $R^{12}$  represents hydrogen, halogen or  $C_{1-4}$  alkyl;

10 or  $R^{11}$  represents  $-NHR^{18}$  and  $R^{12}$  and  $-NHR^{18}$  together form a 5- or 6- membered heterocyclic ring;

$R^{13}$  represents hydrogen, halogen,  $-OR^{15}$  or  $-NR^{15}R^{16}$ ,

15  $R^{14}$  represents hydrogen, halogen, halo $C_{1-4}$  alkyl,  $-OR^{15}$ ,  $-NR^{15}R^{16}$ ,  $-OC(O)R^{17}$  or  $OC(O)NR^{15}R^{16}$

$R^{15}$  and  $R^{16}$  each independently represents hydrogen or  $C_{1-4}$  alkyl, or in the groups

$-NR^{15}R^{16}$ ,  $-SO_2NR^{15}R^{16}$  and  $-OC(O)NR^{15}R^{16}$ ,  $R^{15}$  and  $R^{16}$  independently represent hydrogen or  $C_{1-4}$  alkyl or together with the nitrogen atom to which they are attached form a 5-, 6- or 7- membered nitrogen-containing ring,

5  $R^{17}$  represents an aryl group which may be unsubstituted or substituted by one or more substituents selected from halogen,  $C_{1-4}$  alkyl, hydroxy,  $C_{1-4}$  alkoxy or halo  $C_{1-4}$  alkyl; and

r is zero or an integer from 1 to 4.

10

3. A compound according to claim 1 or claim 2 wherein the group  $R^1$  is selected from hydrogen,  $C_{1-4}$ alkyl, hydroxy, halo,  $-NR^6C(O)NR^7R^8$ ,  $-NR^6C(O)R^7$ ,  $-SO_2NR^9R^{10}$ ,  $-SOR^6$ ,  $-SO_2R^6$ , and  $-NR^6SO_2R^7$  wherein  $R^6$  and  $R^7$  are as defined in claim 1 or claim 2.

15

4. A compound according to any of claims 1 to 3 wherein  $R^2$  and  $R^3$  are independently selected from hydrogen, hydroxyl, halogen, halo $C_{1-6}$ alkyl,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy and halo $C_{1-6}$ alkoxy.

20

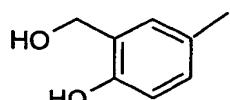
5. A compound according to any of claims 1 to 4 wherein  $R^4$  and  $R^5$  each represent hydrogen.

6. A compound according to any of claims 1 to 5 wherein  $R^a$  and  $R^b$  each represent hydrogen.

25

7. A compound according to any of claims 1 to 6 wherein the group  $Ar^1$  is selected from groups (a) and (b) as defined in claim 1.

8. A compound according to claim 7 wherein the group (a) is a group of formula (i):



(i)

30

9. A compound according to claim 1 selected from:

35

4-((1*R*)-2-[[2-(3-[(2-(Benzyl)oxy)ethoxy]methyl)phenyl]ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

4-((1*R*)-2-[(2-[(Benzyl)oxy]methyl)phenyl]ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

5 2-(Hydroxymethyl)-4-((1*R*)-1-hydroxy-2-[(2-{3-[(3-phenyl)propoxy]methyl}phenyl]ethyl]amino)ethyl)phenol;

2-(Hydroxymethyl)-4-((1*R*)-1-hydroxy-2-[(2-{3-[(4-phenyl)butoxy]methyl}phenyl]ethyl)amino]ethyl)phenol;

4-((1*R*)-2-[[2-(3-[(3-(Benzyl)oxy)propoxy]methyl)phenyl]ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

10 4-((1*R*)-2-[[2-(4-[(2-(Benzyl)oxy)ethoxy]methyl)phenyl]ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

2-(Hydroxymethyl)-4-((1*R*)-1-hydroxy-2-[(2-{3-[(2-phenylethoxy)methyl}phenyl]ethyl)amino]ethyl)phenol;

15 4-((1*R*)-2-[[2-(3-[(2,6-Dichlorobenzyl)oxy]methyl)phenyl]ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

4-((1*R*)-1-Hydroxy-2-[[2-(3-[(2-(2-methoxyphenyl)ethoxy]methyl)phenyl]ethyl]amino]ethyl)-2-(hydroxymethyl)phenol;

4-((1*R*)-1-Hydroxy-2-[[2-(3-[(2-(3-methoxyphenyl)ethoxy]methyl)phenyl]ethyl]amino]ethyl)-20 2-(hydroxymethyl)phenol;

4-((1*R*)-1-Hydroxy-2-[[2-(3-[(2-(4-methoxyphenyl)ethoxy]methyl)phenyl]ethyl]amino]ethyl)-2-(hydroxymethyl)phenol;

3-[4-((3-[2-((2*R*)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl)amino)ethyl]benzyl)oxy]butyl]benzenesulfonamide;

25 3-[[2-((3-[2-((2*R*)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl)amino)ethyl]benzyl)oxy]ethoxy]methyl]benzonitrile;

4-[(1*R*)-2-((2-[3-((2-[2,6-dichlorobenzyl)oxy]ethoxy)methyl)phenyl]ethyl)amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-((2-[3-((2-(3-fluorobenzyl)oxy]ethoxy)methyl)phenyl]ethyl)amino)-1-30 hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-((2-[3-((2-[3,5-dimethylbenzyl)oxy]ethoxy)methyl)phenyl]ethyl)amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-1-hydroxy-2-((2-[3-((2-[3-methoxybenzyl)oxy]ethoxy)methyl)phenyl]ethyl)amino]ethyl]-2-(hydroxymethyl)phenol;

35 2-(hydroxymethyl)-4-((1*R*)-1-hydroxy-2-[(2-{3-[(2-[3-(trifluoromethoxy)benzyl)oxy]ethoxy)methyl}phenyl]ethyl)amino]ethyl)phenol;

4-((1*R*)-1-hydroxy-2-[[2-(3-[[4-(3-hydroxyphenyl)butoxy]methyl]phenyl)ethyl]amino]ethyl)-2-(hydroxymethyl)phenol;

4-[3-[2-((2*R*)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl]amino]ethyl]benzyl]oxy)propyl]benzonitrile;

5 4-[4-((3-[2-((2*R*)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl]amino)ethyl]benzyl]oxy)butyl]benzonitrile;

3-[3-[2-((2*R*)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl]amino)ethyl]benzyl]oxy)propyl]benzonitrile;

2-(hydroxymethyl)-4-[(1*R*)-1-hydroxy-2-{{2-[3-({4-(methylsulfonyl)phenyl}propoxy)methyl]phenyl}ethyl}amino]ethyl]phenol;

10 2-(hydroxymethyl)-4-[(1*R*)-1-hydroxy-2-{{2-[3-({4-(methylsulfonyl)benzyl}oxy)methyl]phenyl}ethyl}amino]ethyl]phenol;

4-((1*R*)-1-hydroxy-2-[[2-(3-[[2-(2-hydroxyphenyl)ethoxy]methyl]phenyl)ethyl]amino]ethyl)-2-(hydroxymethyl)phenol;

15 4-((1*R*)-1-hydroxy-2-{{2-[3-[(4-hydroxybenzyl)oxy]methyl]phenyl}ethyl}amino]ethyl)-2-(hydroxymethyl)phenol;

4-((1*R*)-1-hydroxy-2-{{2-[(3-[(3-(hydroxyphenyl)propoxy)methyl]phenyl)ethyl]amino}ethyl}-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-{{2-[3-({4-(cyclopentylsulfonyl)phenyl}butoxy)methyl]phenyl}ethyl}amino]-1-

20 hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-{{2-[3-({3-[4-(cyclopentylsulfonyl)phenyl}propoxy)methyl]phenyl}ethyl}amino]-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-{{2-[3-({3-[3-(cyclopentylsulfonyl)phenyl}propoxy)methyl]phenyl}ethyl}amino]-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

25 4-[(1*R*)-1-hydroxy-2-{{2-[3-({2-[(3-hydroxybenzyl)oxy]ethoxy}methyl)phenyl}ethyl}amino}ethyl]-2-(hydroxymethyl)phenol;

4-{{(1*R*)-2-[(2-{3-[(2-{(3-(cyclopentylsulfonyl)benzyl}oxy)ethoxy}methyl]phenyl}ethyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol;

4-{{(1*R*)-2-[(2-{3-[(2-{[3-(cyclopentylsulfinyl)benzyl}oxy)ethoxy}methyl]phenyl}ethyl)amino]-1-

30 1-hydroxyethyl}-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-{{2-[3-({3-(cyclopentylsulfonyl)benzyl}oxy)methyl]phenyl}ethyl}amino]-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

4-[(1*R*)-2-{{2-[3-({4-[3-(cyclopentylsulfinyl)phenyl]butoxy}methyl)phenyl}ethyl}amino]-1-hydroxyethyl]-2-(hydroxymethyl)phenol;

35 3-[4-((3-[2-((2*R*)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl]amino)ethyl]benzyl]oxy)butyl]benzonitrile;

2-(hydroxymethyl)-4-((1R)-1-hydroxy-2-[(2-{(2-  
phenoxyethoxy)methyl}phenyl)ethyl]amino]ethyl)phenol;  
 4-((1R)-2-[[2-(3-{[2-(3-fluorophenyl)ethoxy]methyl}phenyl)ethyl]amino]-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;

5 4-((1R)-2-[[2-(3-{[2-(4-fluorophenyl)ethoxy]methyl}phenyl)ethyl]amino}-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;  
 4-((1R)-2-[[2-(3-{[2-(2-fluorophenyl)ethoxy]methyl}phenyl)ethyl]amino}-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;

10 3-[({3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)methyl]benzonitrile;  
 4-[[{3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)methyl]benzonitrile;

15 2-(hydroxymethyl)-4-((1R)-1-hydroxy-2-({2-[3-((1R)-1-  
 phenylethyl)oxy}methyl)phenyl)ethyl)amino)ethyl)phenol;  
 2-(hydroxymethyl)-4-[(1R)-1-hydroxy-2-({2-[3-((1S)-1-  
 phenylethyl)oxy}methyl)phenyl)ethyl]amino)ethyl)phenol;

20 4-((1R)-2-[[2-(3-{[(3,5-dimethylbenzyl)oxy]methyl}phenyl)ethyl]amino}-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;  
 4-((1R)-2-[[2-(3-{[(2,6-dichlorobenzyl)oxy]methyl}phenyl)ethyl]amino}-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;

25 4-((1R)-2-[[2-(3-{[(2-fluorobenzyl)oxy]methyl}phenyl)ethyl]amino}-1-hydroxyethyl)-2-  
 (hydroxymethyl)phenol;  
 3-[4-({3-[2-((2R)-2-Hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)butyl]benzamide;

30 3-{{2-({3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)ethoxy}methyl]benzamide;

35 4-[(3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)methyl]benzamide;  
 3-[2-({3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-  
 (hydroxymethyl)phenyl]ethyl)amino]ethyl]benzyl}oxy)ethyl]benzenesulfonamide;

3-[3-{3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)ethyl]benzyl}oxy]propyl]benzenesulfonamide; 4-((1R)-2-[[2-(3-[4-(2,6-dichlorophenyl)butoxy)methyl]phenyl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;

5 N-{3-[4-((3-[2-((2R)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)ethyl]benzyl}oxy)butyl]phenyl]urea; 2-(hydroxymethyl)-4-((1R)-1-hydroxy-2-[[2-(3-[2-(1-phenylethoxy)ethoxy)methyl]phenyl)ethyl]amino)ethyl)phenol; 4-[(1R)-2-({2-[3-({2-[3-

10 (cyclopentylsulfonyl)phenyl]ethoxy)methyl]phenyl}ethyl)amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol; 4-[(1R)-2-({2-[3-({4-[3-(cyclopentylsulfonyl)phenyl]butoxy)methyl]phenyl}ethyl)amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol; 2-(hydroxymethyl)-4-[(1R)-1-hydroxy-2-({2-[3-({4-[3-

15 (methylsulfonyl)phenyl]butoxy)methyl]phenyl}ethyl)amino)ethyl]phenol; 4-((1R)-2-[[2-(3-[3-(2,6-dichlorophenyl)prooxy)methyl]phenyl)ethyl]amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol; 3-[{3-[2-((2R)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)ethyl]benzyl}oxy)methyl]benzenesulfonamide.

20 or a salt, solvate or physiologically functional derivative thereof.

10. A method for the prophylaxis or treatment of a clinical condition in a mammal, such  
25 as a human, for which a selective  $\beta_2$ -adrenoreceptor agonist is indicated, which comprises administration of a therapeutically effective amount of a compound of formula (I) according to any of claims 1 to 9, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof.

30 11. A compound of formula (I), according to any of claims 1 to 9, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof for use in medical therapy.

35 12. A compound of formula (I), according to any of claims 1 to 9, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof for use in the

prophylaxis or treatment of a clinical condition for which a selective  $\beta_2$ -adrenoreceptor agonist is indicated.

13.. A pharmaceutical formulation comprising a compound of formula (I), according to

5 any of claims 1 to 9, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof, and a pharmaceutically acceptable carrier or excipient, and optionally one or more other therapeutic ingredients.

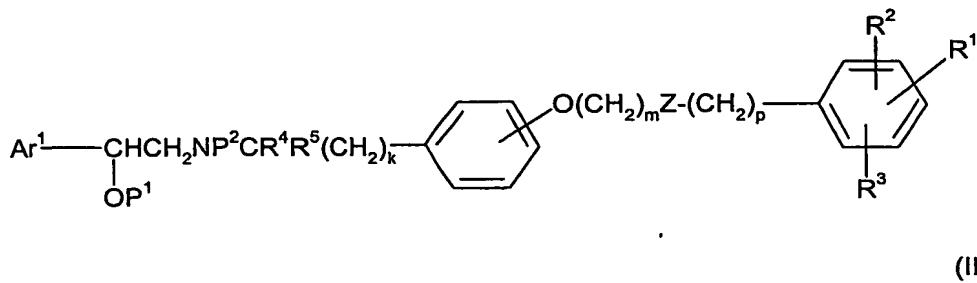
14. The use of a compound of formula (I), according to any of claims 1 to 9, or a

10 pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof in the manufacture of a medicament for the prophylaxis or treatment of a clinical condition for which a selective  $\beta_2$ -adrenoreceptor agonist is indicated.

15. A process for the preparation of a compound of formula (I), according to any of

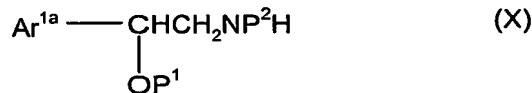
15 claims 1 to 9, or a salt, solvate, or physiologically functional derivative thereof, which comprises:

(a) deprotection of a protected intermediate, for example of formula (II):



or a salt or solvate thereof, wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$ ,  $Z$ ,  $k$ ,  $m$ ,  $n$  and  $p$  are as defined for the compound of formula (I),  $Ar^{1a}$  is  $Ar^1$  or a protected form thereof and  $P^1$  and  $P^2$  each independently represents hydrogen or a protecting group provided that the compound of formula (II) contains at least one protecting group; or

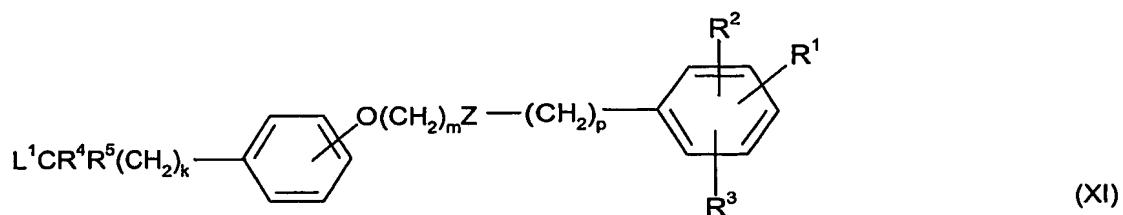
(b) alkylation of an amine of formula (X)



10

wherein  $Ar^{1a}$  is as hereinbefore defined  $P^2$  and  $P^1$  are each independently either hydrogen or a protecting group,

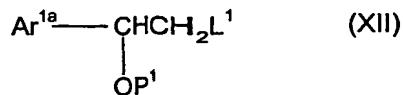
with a compound of formula (XI):



15

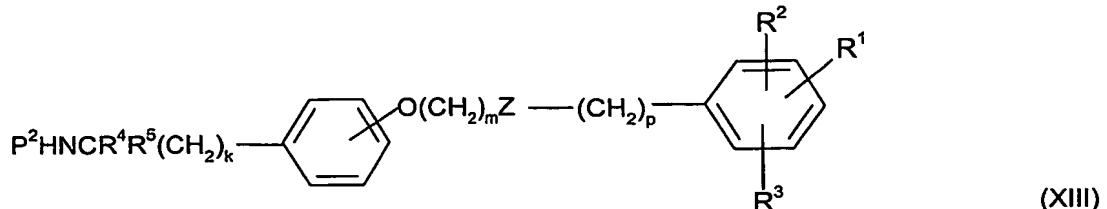
wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$ ,  $Z$ ,  $k$ ,  $m$ ,  $n$  and  $p$  are as defined for the compound of formula (I) and  $L^1$  is a leaving group;

(c) reacting a compound of formula (XII):



wherein  $\text{Ar}^1$  and  $\text{P}^1$  are as hereinbefore defined and  $\text{L}^1$  is a leaving group, with an amine of formula (XIII):

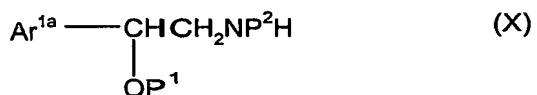
5



or

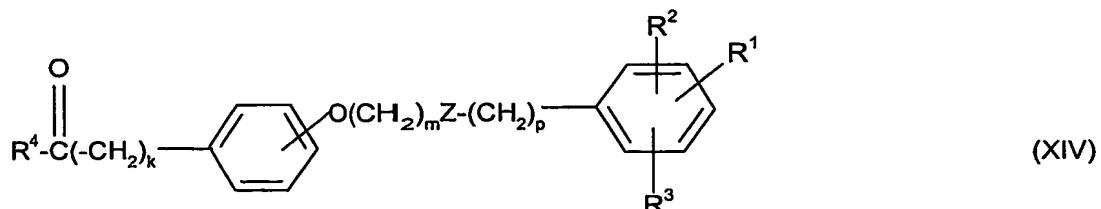
d) reacting a compound of formula (X):

10



as hereinbefore defined,

with a compound of formula (XIV):



15 under conditions suitable to effect reductive amination;

followed by the following steps in any order:

(i) optional removal of any protecting groups;

(ii) optional separation of an enantiomer from a mixture of enantiomers;

(iii) optional conversion of the product to a corresponding salt, solvate,

20 or physiologically functional derivative thereof.